Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/24/2021 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125186	0	3.43	125271	3.40
Blue	F	SSC	125000	122930	-2	4.57	123824	4.49
Blue	E	FITC	14203	13761	-4	3.58	298	15.17
Blue	D	PE	25703	25350	-2	3.36	547	10.91
Blue	B	PerCP-Cy5-5	42104	40595	-4	3.94	908	14.51
Blue	A	PE-Cy7	34646	33966	-2	5.01	484	29.74
Red	C	APC	49824	49064	-2	3.32	1501	11.56
Red	A	APC-Cy7	39773	38666	-3	3.36	727	12.05
Violet	B	V450	7447	7137	-5	4.37	396	12.48
Violet	A	V500	31193	30160	-4	4.21	684	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22053	3.67	549	-7	N/A	N/A	Pass
Blue	F	SSC	54274	4.07	513	1	N/A	N/A	Pass
Blue	E	FITC	55	51.89	483	-3	0.0421	76	Pass
Blue	D	PE	108	38.02	485	0	0.3603	238	Pass
Blue	B	PerCP-Cy5-5	172	35.87	575	-2	0.0202	68	Pass
Blue	A	PE-Cy7	111	63.01	620	0	0.0211	0	Pass
Red	C	APC	348	24.12	569	2	0.0276	97	Pass
Red	A	APC-Cy7	201	25.29	546	2	0.0060	824	Pass
Violet	B	V450	87	40.90	453	4	0.0541	1765	Pass
Violet	A	V500	120	29.90	471	4	0.0240	706	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.38	-32.09	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.22	15.99 - 23.99	N/A	N/A	30.30	30.67	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 13872

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments